

DECLARATION AND POWER OF ATTORNEY JR PATENT APPLICATION

Docket No. CCF-5760

As a below inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **MEMS-BASED INTEGRATED MAGNETIC PARTICLE IDENTIFICATION SYSTEM**, the specification of which:

(check one) ☐ is attached hereto.☒ was filed on November 1, 2000 as Application Serial No. 09/704,298
and was amended on _____ (if applicable).☐ was filed on _____ as International Application No. _____
and was amended on _____
by ☐ Preliminary Amendment ☐ Article 19; ☐ Article 34 (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 or §365 of any foreign application(s) for patent or inventor's certificate or §365 of any PCT international application(s) designating at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate, or §365 any PCT international application(s) having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

☐ Yes ☐ No

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)
-------------------	--------------------	---------------------------------

☐ Yes ☐ No

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)
-------------------	--------------------	---------------------------------

I hereby claim the benefit under United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status-patented, pending, abandoned)
-----------------------------------	------------------------	--

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status-patented, pending, abandoned)
-----------------------------------	------------------------	--

Power of Attorney: As a named inventor, I hereby appoint the following attorneys: Thomas L. Tarolli, Reg. No. 20,177; Robert B. Sundheim, Reg. No. 20,127; Calvin G. Covell, Reg. No. 24,042; Barry L. Tummino, Reg. No. 29,709; Paul E. Szabo, Reg. No. 30,429; James L. Tarolli, Reg. No. 36,029; Ronald M. Kachmarik, Reg. No. 34,512; and Richard S. Wesorick, Reg. No. 40,871, each with full powers of substitution and revocation to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO: TAROLLI, SUNDHEIM, COVELL, TUMMINO & SZABO L.L.P.

1111 LEADER BLDG., 526 SUPERIOR AVENUE,
CLEVELAND, OHIO 44114-1400

DIRECT TELEPHONE CALLS TO: RICHARD S. WESORICK, (216) 621-2234

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1) Full name of sole or first inventor AARON J. FLEISCHMAN

Inventor's signature <u>[Signature]</u>	Date <u>5/15/01</u>
Residence <u>UNIVERSITY HEIGHTS, OHIO</u>	Citizenship <u>U.S.A.</u>
Post Office Address <u>2439 MILTON ROAD, UNIVERSITY HEIGHTS, OHIO 44118</u>	County <u>CUYAHOGA</u>

2) Full name of second inventor SHUVO ROY

Inventor's signature <u>[Signature]</u>	Date <u>3/15/07</u>
Residence <u>CLEVELAND, OHIO</u>	Citizenship <u>U.S.A. BANGLADESH</u>
Post Office Address <u>12000 FAIRHILL ROAD, APT. 308, CLEVELAND, OHIO 44120</u>	County <u>CUYAHOGA</u>

3) Full name third inventor JEFF CHALMERS

Inventor's signature	_____	Date	_____
Residence	<u>COLUMBUS, OHIO</u>	Citizenship	<u>U.S.A.</u>
Post Office Address	<u>4539 TETFORD ROAD, COLUMBUS, OHIO 43220</u>	County	<u>FRANKLIN</u>

4) Full name of fourth inventor MACIEJ ZBOROWSKI

Inventor's signature	<u><i>M. Zborowski</i></u>	Date	<u>3/15/01</u>
Residence	<u>BAY VILLAGE, OHIO</u>	Citizenship	<u>U.S.A.</u>
Post Office Address	<u>511 PARKSIDE DRIVE, BAY VILLAGE, OHIO 44140</u>	County	<u>CUYAHOGA</u>

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Atty. Docket No. CCF-5760

As a below inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **MEMS-BASED INTEGRATED MAGNETIC PARTICLE IDENTIFICATION SYSTEM**, the specification of which:

(check one) ☐ is attached hereto.

☒ was filed on November 1, 2000 as Application Serial No. 09/704,298
and was amended on _____ (if applicable).

☐ was filed on _____ as International Application No. _____
and was amended on _____
by ☐ Preliminary Amendment ☐ Article 19; ☐ Article 34 (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 or §365 of any foreign application(s) for patent or inventor's certificate or §365 of any PCT international application(s) designating at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate, or §365 any PCT international application(s) having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s):

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Priority Claimed <input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status-patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status-patented, pending, abandoned)

Power of Attorney: As a named inventor, I hereby appoint the following attorneys: Thomas L. Tarolli, Reg. No. 20,177; Robert B. Sundheim, Reg. No. 20,127; Calvin G. Covell, Reg. No. 24,042; Barry L. Tummino, Reg. No. 29,709; Paul E. Szabo, Reg. No. 30,429; James L. Tarolli, Reg. No. 36,029; Ronald M. Kachmarik, Reg. No. 34,512; and Richard S. Wesorick, Reg. No. 40,871, each with full powers of substitution and revocation to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO: **TAROLLI, SUNDHEIM, COVELL, TUMMINO & SZABO L.L.P.**
1111 LEADER BLDG., 526 SUPERIOR AVENUE,
CLEVELAND, OHIO 44114-1400
DIRECT TELEPHONE CALLS TO: **RICHARD S. WESORICK, (216) 621-2234**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1) Full name of sole or first inventor AARON J. FLEISCHMAN

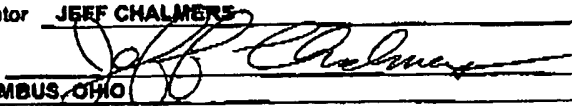
Inventor's signature _____	Date _____
Residence <u>UNIVERSITY HEIGHTS, OHIO</u>	Citizenship <u>U.S.A.</u>
Post Office Address <u>2439 MILTON ROAD, UNIVERSITY HEIGHTS, OHIO 44118</u>	County <u>CUYAHOGA</u>

2) Full name of second inventor SHUVO ROY

Inventor's signature _____	Date _____
Residence <u>CLEVELAND, OHIO</u>	Citizenship <u>U.S.A.</u>
Post Office Address <u>12000 FAIRHILL ROAD, APT. 303, CLEVELAND, OHIO 44120</u>	County <u>CUYAHOGA</u>

Atty. Do k t No. CCF-5760
Page 2 of 2

3) Full name third inventor JEFF CHALMERS

Inventor's signature 

Date 3/15/01

Residence COLUMBUS, OHIO

Citizenship U.S.A.

Post Office Address 4539 TETFORD ROAD, COLUMBUS, OHIO 43228

County FRANKLIN

4) Full name of fourth inventor MACIEJ ZBOROWSKI

Inventor's signature _____

Date _____

Residence BAY VILLAGE, OHIO

Citizenship U.S.A.

Post Office Address 511 PARKSIDE DRIVE, BAY VILLAGE, OHIO 44140

County CUYAHOGA



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 29, 2001

TAROLLI, SUNDHEIM, COVELL ET AL.
RICHARD S. WESORICK
1111 LEADER BUILDING
526 SUPERIOR AVENUE
CLEVELAND, OHIO 44114-1400

PTAS



CCF-5760
ASW



101650244A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

RECEIVED

JUN 01 2001

TAROLLI, SUNDHEIM, COVELL, TUMMINO & SZABO

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/16/2001

REEL/FRAME: 011609/0095
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FLEISCHMAN, AARON J.

DOC DATE: 03/13/2001

ASSIGNOR:

ROY, SCHUVO

DOC DATE: 03/13/2001

ASSIGNOR:

ZBOROWSKI, MACIEJ

DOC DATE: 03/13/2001

ASSIGNEE:

CLEVELAND CLINIC FOUNDATION, THE
9500 EUCLID AVENUE/ND40
CLEVELAND, OHIO 44195

SERIAL NUMBER: 09704298

PATENT NUMBER:

FILING DATE: 11/01/2000

ISSUE DATE:

011609/0095 PAGE 2

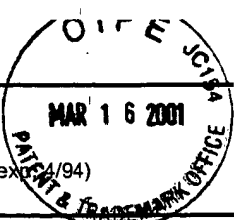
PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Tab settings |||



03-27-2001



101650244

HEE

U.S. Department of Commerce
Patent and Trademark Office

OUR FILE CCF-5760

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Aaron J. Fleischman; Shuvo Roy; and Maciej Zborowski

Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: March 13, 2001

2. Name and address of receiving party(ies)

Name: The Cleveland Clinic Foundation

Internal Address: _____

Street Address: 9500 Euclid Avenue/ND40City: Cleveland State: OH Zip: 44195Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application Serial No.: 09/704,298,
filed November 1, 2000

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:Name: Richard S. WesorickInternal Address: Tarolli, Sundheim, Covell,Tummino & Szabo L.L.P.1111 Leader BuildingStreet Address: 526 Superior AvenueCity: Cleveland State: Ohio Zip: 44114-14006. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$40.00☒ Enclosed☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Richard S. Wesorick

Name of Person Signing

Reg. No. 40,871

Signature

Date

3/16/01Total number of pages including cover sheet, attachments, and document: 3Mail Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

00000073 09704298

40.00 01

ASSIGNMENT

For One Dollar (\$1.00) and other good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, we, the undersigned Aaron J. Fleischman, 2439 Milton Road, University Heights, Ohio 44118; Shuvo Roy, 12000 Fairhill Road, Apt. 109, Cleveland, Ohio 44120; Maciej Zborowski, 511 Parkside Drive, Bay Village, Ohio 44140 hereby assign all right, title and interest to The Cleveland Clinic Foundation acting by and on behalf, having a place of business at 9500 Euclid Avenue/ND40, Cleveland, Ohio 44195, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

MEMS-BASED INTEGRATED MAGNETIC PARTICLE IDENTIFICATION SYSTEM

set forth in patent application for United States Letters Patent filed on November 1, 2000, and assigned Serial No. 09/704,298, and all other applications for Letters Patent on said inventions in the United States and in countries foreign to the United States, including all utility, design, divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patents and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and the testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Date: 3/13/01


AARON J. FLEISCHMAN

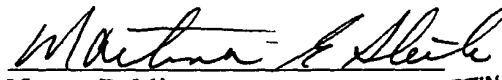
State of Ohio)

County of Cuyahoga)

SS:

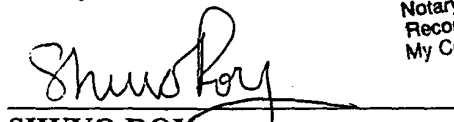
On this 13 day of March, 2001, personally appeared before me, Aaron J. Fleischman, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: 3/13/01


Notary Public

MARTINA E. STEELE
Notary Public, State of Ohio
Recorded in Cuyahoga Cty.
My Comm. Expires 09-29-02

Date: 3/13/01


SHUVO ROY

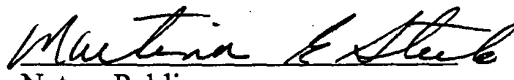
State of Ohio)

County of Cuyahoga)

SS:

On this 13 day of March, 2001, personally appeared before me, Shuvo Roy, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: 3/13/01


Notary Public

MARTINA E. STEELE
Notary Public, State of Ohio
Recorded in Cuyahoga Cty.
My Comm. Expires 09-29-02

Date: 3/13/01


MACIEJ ZBOROWSKI

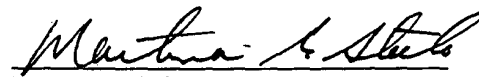
State of Ohio)

County of Cuyahoga)

SS:

On this 13 day of March, 2001, personally appeared before me, Maciej Zborowski, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: 3/13/01


Notary Public

MARTINA E. STEELE
Notary Public, State of Ohio
Recorded in Cuyahoga Cty.
My Comm. Expires 09-29-02



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 29, 2001

TAROLLI, SUNDHEIM, COVELL, ET AL
RICHARD S. WESORICK
526 SUPERIOR AVENUE
1111 LEADER BUILDING
CLEVELAND, OHIO 44114-1400

PTAS



101650245A

RECEIVED

MAY 31 2001

TAROLLI, SUNDHEIM, COVELL, TUMMINO & SZABO

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/16/2001

REEL/FRAME: 011608/0799
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
CHALMERS, JEFF

DOC DATE: 02/12/2001

ASSIGNEE:
OHIO STATE UNIVERSITY, THE
1960 KENNY ROAD
COLUMBUS, OHIO 43210

SERIAL NUMBER: 09704298
PATENT NUMBER:

FILING DATE: 11/01/2000
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (Exp. 4/94)

Tab settings |||



03-27-2001



101650245

SHEET

U.S. Department of Commerce
Patent and Trademark Office

OUR FILE CCF-5760

3-16-01

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jeff Chalmers

2. Name and address of receiving party(ies)

Name: The Ohio State University

Internal Address: _____

Street Address: 1960 Kenny RoadCity: Columbus State: OH Zip: 43210Additional name(s) and address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: February 12, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application Serial No. 09/704,298,
filed November 1, 2000

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:Name: Richard S. WesorickInternal Address: Tarolli, Sundheim, Covell,Tummino & Szabo L.L.P.1111 Leader BuildingStreet Address: 526 Superior AvenueCity: Cleveland State: Ohio Zip: 44114-14006. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$40.00☒ Enclosed☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Richard S. Wesorick

Name of Person Signing

Reg. No. 40,871

Signature

Date

3/16/01Total number of pages including cover sheet, attachments, and document: 3Mail Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

17/01/2001 WERIE 00000073 09704298

10.00 99

ASSIGNMENT

For valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, I, the undersigned,

Jeff Chalmers
County of Franklin

of Columbus
and State of Ohio

hereby assign all right, title and interest to

THE OHIO STATE UNIVERSITY, having a place of business at 1960 Kenny Road, Columbus, Ohio 43210-1063, its successors and assigns,

the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

MEMS-BASED INTEGRATED MAGNETIC PARTICLE IDENTIFICATION SYSTEM

set forth in the application for United States Letters Patent filed on November 1, 2000, and assigned Serial No. 09/704,298, and any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patents and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to

practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

2/12/01
Date: 2/9/01

Jeff Chalmers
Jeff Chalmers
JEFF CHALMERS

State of

County of

)
) SS: 551-35-9560
)

On this ____ day of _____, 2001, personally appeared before me, Jeff Chalmers, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: 2/12/2001
Anastasia Handon
Notary Public



ANASTASIA HANDON
Notary Public, State of Ohio
My Commission Expires 4/25/2005